

## Abstract

In the case of an antenna amplifier (110) having at least one input (101) for connecting an antenna (100) and at least one output (102) for connecting a receiver (120), as well as at least one means of signal-level matching (112, 115) between input (101) and output (102), the noise-to-useful signal ratio is improved, in particular in situations in which a noise signal having a high level is applied, in that a narrow-band filter (111) is situated between the input (101) and the means of signal-level matching (112, 115); the mid-frequency of the filter passband being able to be changed and tuned to the receive channel of the receiver (120).

(Figure 1)